L Number	Hits	Search Text	ົກB	Time stamp
=	157	157 1144	MSPAT; MS-PGPUB; EPO; JPO; DEPWENT; IBM TIE	11:36
-	247	257 1152	MSEAT; MS-PGHUE; EPO; JPI; DESWENT; IBM TUB	2001 (06,09 10:5‡
-	172	257/163	USPAT; US-PGPUB; EPO; UPO; DERWENT; IBM TUB	2001/06,08 10:54
-	117	157/164	USPAT; US-PSPUB; BEO; JPO; DEPWENT; IBM TOB	2001/06.08 10:54
-	76	257/149	USPAT; US-PGPUB; PPO; JPO; LERWENT; IBM TOB	2001/06/08 10:54
-	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB; EPO; UPO; DEPWENT; IBM TDE	2001/06/10 12:46
-	4	0.257/110 or 25%/144 or 257/152 or 257/163 or 257/163 or 257/164 or 257/165) and @pd:19980717) and (selenium or sulfur)	USPAT; US-PGPUB; EBG; CPG; DERWENT; JBM TIB	2001, 106, 08 12:10
-	616	(2577.10 or 2577144 or 2577152 or 2577163 or 357 164 or 2577165) and @pd<19980717	USPAT; US-PGPUB; EPG; GEC; DEPWENT; IBM TIP	2001-06,08 ±3:49
-	576	#2577/110 or 2577/144 or 2577/152 or 2577/163 or 357,164 or 2577165) and @pd<19970717	YSEAT; YS-PGDUE; HEG; JEG; HERWENT; LEM_THE	2001 06:10 13:5;
-	169	+ 287: 11 or 257,144 or 257(152 or 157(165 or 257(165) and 3pd:1367(717) and (stop\$5 or buffer\$3 or phosphor\$2 or arsenic)	USEAT; USEAT; EPO; GEO; UEPWENT; IBM TIB	2001 (06 10 14:38
-	5	stop\$4 adj2 budfer and thyristor\$1	TSPAT; TS-PGFUB; BEO; GEC; DERWENT; IBM TDB	2001-06-10 14:38
-	25	* [257][10 or 207/144 or 257/152 or 257/16, or 257/164 or 257/165) and gpd(:10070717) and (stop\$5 or buffer\$3) and (phosphor\$.) or arseniz)	USEAT; USERGEUB; EEG; GEG; DERWENT; IBM TOB	2031 (96 (10 15:0)
-	5	energy add level\$1 near (phosphorus or arsenic or selenium or sulfur) near dop\$4	USEAT; USEAT; EPG; CFG; DERWENT; IBM_TUB	2001/06/10

-	1	ionization adj energy near (phosphorus or arsenic or selenium or sulfur) near dop\$4	UE-PGPUB; EPO; JPC;	2001 (06,110 16:4
			DERWENT; IBM TDB	
-	292	(sulfur with selenium) and 257/\$3.dcls.	USTAT; US-PGPUB; BEG; JEG; DERWENT;	2001 06:11 07:40
-	57	(sulfur with selenium) and 257 \$3.ccls. and emitter\$1	IBM_TIB USBAT; USBBBBB; EPO; JEO; DERWENT;	2101/06/10 18:40
-	9 9	(sulfur with selenium) and 257 \$3.ccls. and band adj gap	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2001 (06, 10 16:57
			IBM_TLB	
•	14	((sulfur with selenium) and 257/\$3.ccls. and emitter\$1) and ((sulfur with selenium) and 257/\$3.ccls. and band adj gap)	USPAT; US-PGPUB; MEG; JPG; DEPWENT;	2001/06/10 18:5+
-	4	(((sulfur with selenium) and 257/\$3.ccls. and emitter\$1) and ((sulfur with selenium) and 257/\$3.ccls. and band adj gap)) and dopant and (buffer or stop\$4)	IBM_TLB USPAT; US-PGEUB; EPO; JPO; DEPWENT;	2001/06/11 07:34
-	2	ionization ad) energ\$3 with sulfur with (dopant or impurit\$3 or foreign)	IBM_THE USPAT; US-PGPUE; EPC; UPC;	2001/06/10 17:07
			DERWENT: IBM TIB	
-	37	depant and (selenium or sulfur: and emitter and (buffer ad) layer or stop\$4 adj zone:	USEAT; US-PGEUS; BPC; JPC; DEPWENT;	2011:06 10 17:59
-	Ú	(buffer adj layer or stop\$4 adj zone) same dopant same (selenium or sulfur) same ionization adj energ\$3	IBM_TUB VSEAT; VS-PGEVE; BED; VEC; DEFWENT;	2001 (6 10 18:0.
-		(buffer adj layer or stop\$4 adg zone) same (selenium or sulfur) same (onidation adg energ\$3	IBM_ILB TSPAT; TS-PGPTB; EBC; TBC; CERWENT;	2001/66 10 18:01
-	3	(dopant or impurit\$3) same (selenium or sulfur) same ionization adj energ\$3	IBM_TOB VSPAI; VS-PGEVB; BEG; GPG; SERWENT;	2001/06/10 18:00
-	7	buffer adj layer with dopant with (sulfur or selenium)	IBM_TLB VSPAT: VS-PGEVB; EPD; CPD; DERWENT;	2001 (06 (10 13:26
-	0	stop adj zone with dopant with (sulfur or selenium)	IBM_TDB VSEAT: VSEPGEUB; EPO; CPO; DEEWENT;	2001 (06 (10 18:25
-	7	((sulfur with selenium with dopant) and 257/\$3.ccls. and emitter\$1) and (257/\$3.ccls. and band adj gap)	IBM_TOB USFAT: US-PGFUB; EPD; UPD; DERWENT;	2001/06/10 18:56
			IBM_TDB	

-	44720	ionization energ\$3 with sulfur with selenium	USPAT; US-PGPUB; EPO; JPO; PERWENT;	2001/06/11 07:42
-	44672	ionization energ\$3 with sulfur with selenium with dopant\$1	IBM_TOB USEAT; US-PSEUB; BED; USO; IBSWENT; IBM_TOB	2001 06'11 07:40
-	1	ionimation adj energ\$3 with sulfur with selenium with dopant\$1	USPĀT; US-PGPUB; EPG; JPG; GEPWENT;	2001:06/11 07:43
-	2	5574297.pn.	EPO; JPO; DEPWENT;	2001/06/11 07:5:
- - -	2	535320.pn.	US-PGPUB; med; dPO; DERWENT;	2001/06/11 - 08:02
-	3	552805m.pn.	· IBM_TDB USPAT; US-PGPUB; EPG; JPO; DEPWENT;	.2001/06/11 00:00
-	1686	depant with phosphorus with type	IBM_TOB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2001/06/11 .09:04
-	1454	depant with phosphorus with r. adj2 type	IBM_TIP USPAT; US-PGIUB; EPO; CPO; DEPWENT;	2001,06/11 09:07
_	205	depant with phosphorus with n+	IBM_TIPB USEAT; USEPGPUB; EPC; UPC; DEPWENT; IBM TIPB	2001.06/11 09:10
-	131	(depant with phesphorus with n+) and ppd=19470717	USEAT;	2101 06 11 09:1:
-	738	287:110 or 257/144 or 257/152 or 257/163 or 257/164 or 287/165	TGPAT; US-PGHUB; ESC; UPC; DERWENT; IBM THB	2002/01/26 19:31
-	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop adj zone near15 active) near15 (off-state or off adj state))		2101+01/26 19:39
-	1	(257/1.0 or 257/144 or 257/152 or 257/163 or 357/164 or 257/165) and ((step\$4 adj zone near15 active) near15 (off-state or off adm state))	USPĀT; US-PGLUP; BPG; CPG; CERWENT;	2302 01 26 19:41
-	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((zone nearl5 active) nearl5 (off-state or off adj state))	US-PGFUB; EFG; JPO; DERWENT;	2302/01/26 19:11
			IBM_TDB	•

-	3	5528058.pn.	USPĀT; US-PGPUP; EPC; JPO;	18:26 15:26
			DERWENT; IBM_TDB	
-	3	5357130.pn.	USEAT; USEPGHUB; BEC; CFC; DEPWBMT;	2000/01/27 12:44
-	ĆI	stop\$4 adj zone same dopant same ON-state or OFF-state or "on state" or "off state")	IBM_TDB USPAT; US-PGPUB; EPO; JPD; DEPWENT; IBM TDB	2000/01/27 12:48
-	31	dopant near12 ionization adj energy	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/C1/27 13:58
-		<pre>(igbt or mct).ti,ab. and ((dopant or impurity or impurities) near12 (indium or tellurium))</pre>	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TDB	2302/01/27 13:41
_	ģ	semiconductor.ti,ab. and ((dopart or impurity or impurities) same (indium or tellurium) same ionization)	USPAT; US-PGPUB; BPO; JPO; DEPWENT; IBM_TDB	2002/01/27 14:2:
-		<pre>(((sulfur or selenium) near12 "on-state voltage") same (dopant or impurit\$3)) and semiconductor.ti,ab.</pre>	USEAT; US-PGPUB; EPC; JPO; DEPWENT; IEM_TOB	2100,01/27 14:00
-	5	<pre>((sulfur or selenium) nearl2 ("on-state" or voltage) same (dopant or impurit\$3)) and semiconductor.ti,ab.</pre>	USPAT; US-PGPUB; EPO; JPO; PERWENT; IBM_TDB	2000/01/27 14:37
-	(;	<pre>((sulfur or selenium) near12 (ionization adj (energy or potential))) near12 (impurit\$3 or dop\$3)) same ((on-state or on adj state) adj2 voltage)</pre>		2000/01/27 11:5.
-	.e 	<pre>((sulfur or selenium) nearl2 (ionization adj (energy or potential()) nearl2 (impurit\$) or dop??)</pre>	USPAT; TI PGPLB; EPC; UPD; PERWENT; IBM TOB	2002 (1 27 14:46
-	()	.(selenium or sulfur) near12 on-state adj woltage) and (thyristor or mot or igbt).ti,ab.		2000 C1 27 14:48
-	3.5	(selenium or sulfur) and (thyristor or mot or ight).ti,ab.	USPAT; US-PGPUB; EP1; JP0; DERWENT; IBM TDB	2002 01/27 13:48
-	Ĺ	((selenium or sulfur) same (dopant or impurit\$3)) and (thyristor or mot or igbt).ti.ab.	USEAT; US-PGPUB; EFO; JPO; DERWENT; IBM TOB	2000 01:27 14:49
-	40	((blocking or stop\$4) adj2 (zone or layer) same emitter) and thyristor.ti,ab.	USPAT: US-PGPUB; EPG; JPO; DERWENT; IBM TDB	2002/01/27 15:28
			- · ·	*

	<pre>13 ((blocking or stop\$4) adj2 (zone layer) same emitter) same voltage thyristor.tr,ab.</pre>	e and US-PGPUB; 15 BPO; JPO; DERWENT;	00/01/27 :39
-	<pre>0 (((blocking or stop\$4) adj2 (zon- layer) same emitter) same voltag- on-state) and thyristor.ti,ab.</pre>		01: 01:127 : 80
-	<pre>0 (*rblocking or stop\$4) adj2 (zon- layer) same emitter) same voltage "or.") and thyristor.ti,ab.</pre>	e or USPAT; 200 e same US-PGFUB; 19 EPO; UPI; LEPWENT;	00/01/27 :30
-	5 (replocking or stop\$4) adj2 (zon- layer) same emitter) same voltage thyristor.ti,ab. and power	e) and US-PGPUB; 15 BPO: JPD; DEPWENT;	00/01/27 :30
-	<pre>1 ()(blocking or stop\$4) adj2 (zon- layer) same emitter) same voltag- thyristor.ti,ab. and power and (impurit\$3)</pre>	e) and US-PGPUB; 15 dopant or EPU; JFD; 1 DERWENT;)2/01/27 :49
-	3 5710445.pn.		02/01/27 :54
-	<pre>1 ((selenium or sulfur) nearl2 (dog impurity)) and thyristor.t1,ab.</pre>	pant or USFAT; 200	02/01/27 :56
-	<pre>0 (iselenium or sulfur) nearl2 ion adj (potential or energy)) and ti</pre>	ization USEĀT; 200	10/01/27 :57
-	0 ((selenium or sulfur) nearl2 ion ad) (potential or energy)) and badj layer	ization USEĀT; 200	00,101,27 :58
-	<pre>20 (selenium or sulfur) nearl2 ioni adj (potential or energy)</pre>	zation USFAT; 20	00-01/27 :58
-	2 (selenium or sulfur) nearl2 ioni adj (potential or energy) and semiconductor.ti,ab.	zation VSFAT; 21	00+01-(27) (01)
	<pre>l (selenium or sulfur) near12 ion1 adj (potential or energy) and (i- thyristor or mosfet) and semiconductor.t1,ab.</pre>	zation USEĀT; 2.	00 01/27 :04
-	2 (selenium or sulfur) nearl2 ioni adj (potential or energy) and (i thyristor or mosfet or semiconductor).ti,ab.	zation USEĀT: 200	00/01/27 :05
-	27 ((selenium or sulfur) hearl2 (ballayer)) and (ight or thyristor of or semiconductor).ti,ab.	rrier adj USF \overline{A} T; 200	02/01/27 :06

-	g.	((selenium or sulfur) near5 (barrier adj layer)) and (ight or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO;	"2000 (01/27 18:11
			DEPWENT; IBM TDP	
-	Ę	((selenium or sulfur) near: (barrier adj layer)) and (ight or mosfet or seniconductor).ti,ab. and thyristor.ti.	USEĀT; US-PĢEUB; BEC; JEO;	2 CU 01.27 14:0%
			IEFWENT; IBM TIE	
-	C	((selenium or sulfur) nearf (barrier adj layer)) and thyristor.ti.	USPAT; US-PGPUB; EEO; JPO; DEPWENT;	2:01:01:01/27 14:08
-	Ć.	((selenium or sulfur) nears (barrier adj layer)) and thyristor.ti,ab.	IBM_TDB USPAT; US-PGPUB; EEG; JEG;	2002 (1, 27 Ln:04
			IEPWENT; IBM TLB	
-	(,	<pre>((selenium or sulfur) near5 (barrier adj layer)) and (mot or thyristor or ight).ti,ab.</pre>	USPAT; US-PGPUB; EEG; UPG; DEPWENT; IBM TDB	2002/01/27 16:09
***	1	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer))	USPĀT; US-PGPUB; EPO; JPO; DEPWENT;	2002/01/27 16:12
-	0	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer)) and silicon adj substrate	IBM_TEB USPAT; US-PGPUB; EPG; UFD; FEPWENT;	2302/01/27 14:13
			IBM_TDB	
-	71 -	((selenium ir sulfur) near5 (dopant or impurity)) and silicon adj substrate	USEAT; USEPGPUE; FEG; UEG; CEPWENT;	2002/01:27 1+:14
-	Ĵ	((selenium or sulfur) near5 (dopant or impurity)) and ionization adj (energy or potential) and silicon adj substrate	IBM_THE USPAT; US-PGPUB; EPD; JPO; DEPWENT;	2:02:01/27 16:04
_	15	(low-noise or low adj noise) adj2	IBM_TIB USEAT:	2 63 01/27
		semiconductor and power adjC semiconductor	TO PGIVE, EPP, JPI, CERWENT, IBM TIB	201210
-	33	([:low-noise or low adj noise) nearS power: nearS semiconductor).ti,ab.	USEAT; USEPGEUB; EPD; JED; DEEWENT; IBM TUB	2:03:01/27 .#:3*
	()	((.low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab. and thyristor	USPĀT: US-PGPUB; BPD: JPD; DBRWENT;	2002/01/27 16:28
-	3	({ low-noise or low add noise) near5 power) nearf semiconductor add device).ti,4b.	IBM_THB USPAT: USPBGPUB; EPO; JPO; DERWENT;	2002/01/27 16:30
-	25	((low-noise or low adj noise) near5 power).ti,ab. and 257/\$6.ccls.	IBM_TDB USPAT; US-PGPUB; EPD; UPD; DERWENT; IBM TDB	2002/01/27 17:05
			1Dr. <u> </u>	•

	2 `	((low-noise or low adj noise) near5 power).ti,ab. and 257/96.ccls. and (thyristor or igbt or insulated gate adj bipolar ad) transistor or mct)	USPAT; US-PGPUP; EFO; CFO; DERWENT; IPM TOB	18:24
_	2	pp-021055739-\$.did.	USPAT; US-PGIUE; EFC; JPC; DEFWENT; IPM TIB	2002.01°27 17:0+
_	458	stop adj zone	USPAT; US-PGPUB; EFG; CPC; DERWENT; IBM TIB	
-	.2	(atop adj zone) and (((257/110) or (257/144) or (257/152) or (257/164) or (257/165)).CCLS.)		2002/05/01 16:36
-	586	(1257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).ccls.	USPAT; US-PGPUB; EP1; GPO; DEFWENT; IBM TUB	2002/05.01 20:30
-		buffer adj (layer or film) and (:057/10) or (057/144) or (257/152) or (057/163) or (057/164) or (057/165)).ccls.)	USPAT; US-PGPUB; EPO; UPO; DEPWENT; IBM TOB	2002:05/01 17:19
_	29	(buffer adj (layer or film) and ((257/10) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.:) and (sulfur or s or selenium or se:	USFAT; US-PGPUB; EPO; UPO; DEPWENT; HEM TOB	2002:05,01 17:20
-	€	(:buffer adj (layer or film) and (57/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).ccls.() and (sulfur or sor selection or set) and (buffer nearl2 selection or set or sor sulfur):	USPAT; US-PGLUB; EPC; CPC; DEFWENT; LBM_TLB	2002 (5 01 17:2:
-	3	**Spurfer adj (layer or film) and ** 207 1110 pr (257/144) pr (257 152) or (257/163) pr (257/164) or (257/165)).CCLS.() and (sulfur or sor selection or set) and (buffer same (selection or set or sor sulfur))	USPAT; US PGPUB; EPO; JPO; DERWENT; IBM_FLB	2002 05/01 17:25
-	Q .	(*buffer adj (layer or film) and (*257 151) or (257 152) or (257 153) or (257 153) or (257 153)). OCLS. (*) and (*salfur or sor selenium or sec) and (buffer same (*selenium or secon sulfur))	USPAT: US-PGPUB; EPD; GPD; FERWENT; IBM_TDB	2002 005 001 17:23
_	Ĵ	((ruffer as; (layer or film) and (12.7/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).ccls.:: and (sulfur or sor selenium or sec) and ((buffer nearl5 (dop33 or impurit(33)) same ioniz(35))	USPAT: US-PGPUB; EPO; CPO; DERWENT; IBM_TDB	2002/05/01
_	0	([biffer adj (layer or film) and ([257/162) or (257/163) or (257/164) or (257/165)) or (257/165)).CCLS.() and (sulfur or sor selenium or sel) and ([buffer nearl5 (selenium or sulfur)])	USPAT: US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/01

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USPAT;
                                                                                            2002/05/02
77 (US-4717340-\$ or US-4760431-\$ or
     US-RE32734-3 or US-4851989-$ or
                                                                           US-PGPUB;
                                                                                             11:40
     US-4914436-0 or US-4963372-0 or
                                                                           JPO
     US-5 (A5211-$ or VS-5068704-$ or US-5 (A521045-$ or VS-5401946-$ or US-5419963-$ or VS-5444271-$ or US-5444271-$ or US-5476703-$ or US-5476703-$ or
     US-5498984-0 ir US-5525*16-3 or
US-5528088-0 ir US-5543838-0 ir
US-5580941-0 ir US-5610415-0 or
US-5637888-0 or US-5644150-0 or
     ₩S-50659198-$ or ₩S-5091766-$).did. or
     (US-5124772-$ or US-5202750-$ or US-5212422-$ or US-5242202-$ or US-5293054-$ or US-5304421-$ or
     US-5306930-$ or US-5336907-$ or
     US-5365477-$ or US-5371385-$ or
     US-5378903-$ or US-5661314-$ or
     us-5679966-2 or us-5684?06-3 or
     US-5705838-$ or US-5710445-$ or
     US-5719413-9 or US-5793066-9 or
     US-5796124-$ or US-5844258-$ or US-5834149-3 or US-5834149-3
     US-5936267-3 or US-6020623-3 or
     US-6154728-$ or US-RE36818-$ or
     \text{US-6107649-$}).did. or (\text{US-6111278-$ or })
     V3-6111290-$ or V3-6169299-$ or
V3-6199115-$ or V3-6218217-$ or
     ์
ปร-6278140-≯ or ปร-6278140-≯ or
     US-6313485-$ or US-4032958-$ or
     \text{US} - 4083921 - \$ or \text{US} - 4062 \text{US} - \$ or
     V3-3337782-3 or V8-3470936-3).did. or
      (US-20010005024-$ or
     U3-20020024056-$).did. or (JP-06061479-$
     or JF-06151825-$ or JF-01270352-$ or
     \mathtt{JP} = 0.1296370 - \$ or \mathtt{JP} = 0.3070176 - \$ or
     \mathtt{JP}\text{-}0\text{-}116874\text{-}\$ or \mathtt{JP}\text{-}04240775\text{-}\$ or
     JP=04317375+\$ or JP=043.7875-\$).did.
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2002/05/01
                                                  USPAT;
2^{\circ} ((US-4717940-$ or US-4760431-$ or
  US-RE32784-$ or US-48519999 or
                                                   US-PGPUB;
                                                                 20:34
  US-4914496-$ ir US-4963971-$ or
                                                   EPO; JPO;
  US-5(65211-3 or US-5)68714-3 or
                                                   DERWENT;
  US-9391015-3 or US-5401968-3 or US-9429993-3 or US-9444171-3 or
                                                   IBM TDB
  US-8444373-3 or US-8461.41-3 or
   V3-5477164-3 ir V3-1486719-3 or
  V3-8498444-3 เท V3-1825416-3 br
V3-8828008-3 เท V3-8943030-3 br
  V3-5569941-3 or V3-1616415-3 or
  #8-5637848-$ or #8-5644150-$ or
  VS-9659185-$ or VS-5091766-$).did. or
  (US-8124772-$ or US-8002750-$ or US-8210482-$ or
  US-5293054-$ or US-5304421-$ or
  VS-53069×0-$ ir VS-5336×07-$ or
   VS-5365477-$ ir VS-5371335-$ or
  VS-5378903-$ ir VS-5861314-$ or
VS-5679986-$ or VS-5884336-$ or
  VS-5708808-$ or VS-5710445-$ or
  US-5719413-$ or US-1793066-$ or
  US-5796124-$ or US-5944258-$ or
US-5994149-$ or US 5923655-$ or
  US-5934047-$ or US-4020423-$ or
  US-8054708-$ or US-RE36818-$ or
  VS-6107649-3).dia. or (VS-6111278-$ or
  US-6111290-$ or US-6169299-$ or
   VS-6198115-$ or VS-6018017-$ or
  US-6271545-$ or US-6278140-$ or
  US-6313485-$ or US-4032768-3 or
  US-4053901-$ or US-4062031-$ or
  US-3337742-$ or US-3470036-$).did. or
   (US-2001)005024-$ or
  US-20020:24056-$).did. or (JP-06061479-$
  or JP-04151825-$ or JP-01270352-$ or
  JP-02294-70-$ or JP-03070176-$ or
  JP=03116+74+\$ or JP=04240775+\$ or
  JP = 0.4317.575 - \$ or JP = 0.4357875 - \$).did.) and
  (block$s or buffer or stop$4) adj (region
  or film or layer) and ionization
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1 - i(US-4717940-\$) or US-4760431-\$ or
                                                                                    2002/05/01
                                                                 USPAT;
   US-RE32784-$ or US-4851889-3 or
                                                                  US-PGPUB;
                                                                                    20:43
    VS-4914496-$ or VS-4960972-$ or
                                                                  EPO; JPO;
   VS-5165211-2 or US-506-704-3 or
VS-5381015-2 or US-540.085-2 or
VS-542945-3 or VS-5444071-3 or
VS-5444.70-3 or VS-5481142-3 or
                                                                  DERWENT;
                                                                  IBM TDB
   ที่ริ-5477 (หลักริ อัต ที่ริกธิสัยผู้709-3 อัต
   Ma-6498-M4-2 or Ma-652:M16-3 or
Ma-6528:M8-2 or Ma-654:A38-3 or
Ma-658:M41-2 or Ma-661:A418-3 or
   V3-5637848-$ or V3-5644156-$ or
   V3-9659185-$ or V3-5091766-$).did. or
   #US $124772-$ or US-52 12750-$ or US-52112402-$ or
   VS-5293 04-0 or US-5304M21-3 or
   US-5306930-$ or US-5336907-$ or
   US-5365477-$ or US-5371385-$ in
   US-5379703-2 or US-5861314-3 or US-5879766-2 or US-5884308-3 or US-5705835-2 or US-5713445-3 or US-5719413-3 or US-5793066-3 or
   US-5796124-0 or US-5844258-0 or 
US-5894149-0 or US-5821055-0 or 
US-5938287-0 or US-6029823-0 or
   US-6054708-$ or US-RE36818-$ or
    VS-6107649-$).did. or (US-6111278-$ or
   TS-A111240-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6278140-$ or US-6278140-$ or
   VS-6313485-$ or VS-4052959-$ or
   Vs-4953901-\$ or Vs-4963932-\$ or
    Us=3.337782=9 or Us=3470036=3).did. or
    (US-20010005024-0 or
   #$-20020024056-$).did. or (#P-06061479-$
   or JP-06151325-$ or JP-01270352-$ or
   JP-02296070-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or
   JP=04317375=\$ or JP=34357975=\$).did.) and
    sblock$3 or buffer or stop$4) adj (region
    or film or layer) and (energy adj level
   or band adj2 gap)
```

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2002/05/01
0 ((US-4717940-$ or US-4760431-$ or
                                                USPAT;
  US-RE32784-$ or US-4851889-$ or
                                                 US-PGPUB;
                                                              20:45
  US-4914496-$ or US-4963972-$ or
                                                 EPO; JPO;
  US-8066211-3 or US-5068704-3 or
                                                 DERWENT;
                                                 IBM TDB
  US-8491025-3 or US-8401495-3 or
  US-6429 €3-3 or US-6444171-3 or
  MS-8444070-3 in US-8461042-3 in
  US-6477964-3 or US-5486709-3 or
  03-5498-54-3 in 03-5525816-3 in
03-5528058-3 on 03-5543659-3 on
  US-5569441-3 or US-5610415-4 or
  US=8637488-3 or US=8644186-2 or
   VS-5059185-$ or VS-5091766-$).did. or
  (US-8124772-$ or US-510:780-$ or
  V3-5.10432-$ or VS-5245202-$ or
   US-5193054-$ or US-5304821-$ or
  US-8006430-$ or US-5336907-$ or
  VS-5365477-$ or US-5371385-$ or
  VS-5078903-$ or VS-5661314-$ or
VS-5679966-$ or VS-5684306-$ or
  US-5705835-$ or US-5710445-$ or
  US-5719413-$ or US-5793066-$ or
  US-5796124-3 or US-58444759-$ or
  V3-5894149-$ or US-5903055-$ or
  US-5036067-$ or US-6000623-$ or
  US-6054728-$ or US-RM36419-$ or
  US-6107643-$).did. or (US-6111278-$ or
  US-6111390-$ or US-6169399-$ or 
US-6198115-$ or US-6718217-$ or
  #3-6071945-$ or #3-6078140-$ or
  US-6313485-$ or US-4032758-$ or
  US+4053921+3 or US+4965032+3 or US+3337782+3 or US+3470036+3).did. or
   FTS-00010005024-$ or
  or JP-06151325-$ or JP-01270352-$ or
   JP-02296370-$ or JP-03070176-$ or
   JP-03116874-$ or JP-04040775-$ or
  JP = 0.4517375 - \$ or JP = 0.4357875 - \$).did.) and
   block$3 or buffer or stop$4) adj (region
   or film or layer) nearly indium or
  tellurium or selenium of sulfur or in or
```

se)

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USPAT;
                                                                      2002/05/01
2 ((US-4717940-$ or US-4760431 $ or
                                                                       20:49
   US-RE32784-$ or US-48518*9-$ or
                                                        US-PGPUB;
   US-4914496-$ or US-4963972-$ or
                                                        EPO; JPO;
  WS-5065211-3 or VS-5068704-3 or 
WS-5081025-3 or VS-5401945-3 or 
VS-5429953-3 or VS-5444171-3 or
                                                        DERWENT;
                                                        IBM_TDB
   V3-0444272-3 or V3-6461040-3 or
   TS-5477064-0 or US-5486709-0 or
   VS-5498884-3 in US-5525816-2 or
VS-5528058-0 in US-5543689-2 or
   V3-5169941-0 or V3-5619415-0 or
   VS=563789Y=$ or VS=5644150-$ or
   \label{eq:proposed_prop_signal} \forall s\text{-}56591355\text{-}$ \text{ or } \text{US}\text{-}5(91766\text{-}$). \text{did. or }
   (US-5124772-0 or US-5000750-0 or US-5210472-0 or US-5245242-0 or
   US-5293054-$ or US-5304821-$ or
   US-5306930-$ or US-8336907-$ or
   US-5368477-$ or US-8371348-$ or
   US-5378903-3 or US-5881314-9 or
   VS-5679966-$ or VS-5684396-$ or
   US-8708838-$ or US-8710448-$ or
   US-5719413-$ or US-5793066-$ or
   US-5796124-$ or US-5844258-$ or
US-5803149-$ or US-5923055-$ or
   US-5936267-$ or US-6020623-$ or
   US-6054728-$ or US-RE36818-$ or
   VS-6107649-$(.did. or (VS-6111278-$ or
   US-6111390-$ or US-6169299-$ or
US-6198115-$ or US-6218217-$ or
   US-8271545-$ or US-8278140-$ or
   VS-8313485-$ or US-4032458-$ or
   V3-4053921-$ or VS-4062032+$ or
   V3-3/37782-3 or V3-34700/36-3).did. or
   (US-20010005024-$ or
   US-20020024056-$).did. or (JP-06061479-$
   or JP-06151325-$ or JP-01270352-$ or
   JP-01296370-$ or JP-03070176-$ or
   JP-03116874-$ or JP-04240775-$ or
   JP=04317375-\$ or JP=04357875-\$).did.) and
   (block$3 or buffer or stop$4) adj (region
   or film or layer) and (indium or
   tellurium or selenium of sulfur or in or
   s⊕)
```

```
2 ((US-471794)-$ or US-4760431-$ or
                                                                           2002/05/01
                                                          USFAT;
   US-RE42784-1 or US-48518*9-3 or
                                                           US-PGPUB;
                                                                           20:50
   TS-4914496-1 or US-4963972-3 or
                                                           EPO; JPO;
   TS-5045211-3 or TS-50487.4-3 or TS-504810105-3 or TS-5040105-3 or TS-5444271-3 or TS-54444271-3 or TS-54444273-3 or TS-54444273-3 or
                                                           DERWENT;
                                                           IBM TDB
   TE-8477084-2 or TE-84867199-2 or
   VS-5448444-0 ir VS-5525-16-0 or
VS-5525056-0 or VS-5543648-0 or
VS-5589041-0 or VS-5610415-0 or
   M3-8637-88-3 or M3-5644160-4 or
   US-8689186-0 or US-8691766-0).did. or
   VUS-6.24V72-$ or US-6260760-$ or 
VS-6210472-$ or US-6245072-$ or 
VS-6293054-$ or US-6304421-$ or
   US-8306930-2 or US-5336907-2 or
   MS-5365477-3 or MS-5371395-$ or
   VS-8378903-$ or VS-5661314-$ or
VS-8679966-$ or VS-5684306-$ or
   MS-8705835-3 or US-5710445-$ or
   MS-5719413-$ or MS-5793046-$ or
   TS-5796124-$ or US-5844258-$ or
US-5894149-$ or US-5923000-$ or
   Na-5936167-$ or US-6020623-$ or
   US-6107649-$).did. or (US-6111278-$ or
   US-6111240-$ or US-6169299-$ or
   US-6198115-$ or US-6218317-$ or
   US-6271545-$ or US-6278140-$ or
   US-6313445-$ or US-4032958-$ or
   US=4053921+$ or US=4052032+$ or US=3337792+$ or US=3470036+$).did. or
   .US-2:010005024-$ or
   708-20020024056-$).did. or (JP-06061479-$
   or JP 06151825-$ or JP-0.270352-$ or
   JP-02296370-$ or JP-0307:176-$ or
JP-03116874-$ or JP-04843775-$ or
   79-04317375-$ or JP-04357875-$).did.) and
    block$3 or buffer or stop$4) adj (region
   or film or layer) and (indium or
   tellurium or selenium of sulfur or in or
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se or te)

```
2002/05/01
0 = ((U3-4717940-3 \text{ or } U8-4760431-3 \text{ or }
                                                       USPAT;
   US-RE327*4-$ or US-4851889-$ or
                                                       US-PGPUB;
                                                                      20:50
   US-4914436-$ or US-4963971-$ or
                                                       EPO; JPO;
  US-10650.1-0 or US-5048704-0 or US-1461 US-3 or US-544171-0 or US-5444171-0 or
                                                       DERWENT;
                                                       IBM TDB
   V8-1444072-3 or V8-84-1.40-3 or
   vs-5407 (44-3) ir vs-5446764-3 ir
   VS-14989M4-3 ir VS-5828918-3 ir
VS-9328988-3 ir VS-5343839-3 or
   VS-5569941-3 or VS-5610416-3 or
   US-5837-48-$ ir US-5844150-$ ir
   \forall s=5.669186-3 or \forall s=5.09176\cdot-3).did. or
   (US-5124772-$ or US-5202750-$ or
   VS-5010470-$ or VS-5045000-$ or
   US-8093094-3 or US-5304821-3 or
   VS-8306930-$ or VS-5306407-$ or
   US-1366477-$ or US-5371385-$ or
   US-8379903-$ or US-5661314-$ or
   ซร-ยศ79946-$ or ซร-568430ค-$ or
   US-5705805-$ or US-5710445-$ or
   VS-5719413-$ or VS-5793366-$ or
   US-5796104-$ or US-5844088-$ or
   75-5894143 $ ur NS-5473455-$ or
   VS-5936247-$ or US-6020423-$ or
   US-R054723-$ or US-RE36913-$ or
   US-6107649-$).did. or (US-6111278-$ or
   VS-6111090-$ or VS-6169099-$ or
VS-6199115-$ or VS-6018017-$ or
   US-6271545-$ or US-6278140-$ or
   VS-R313485-$ or VS-4930958-$ or
   US-4053901-0 in US-4060 (30-3 or
   \forall 3 - 3.(37782 - \$) \text{ or } \forall 8 - 34700(36 - \$) \text{ .did. or }
   CUS-2001:005024-2 or
   US-20020024056-$).did. or (JP-06061479-$
   or JP-04151825-$ or JP-01270352-$ or
   JE-02398270-$ or JE-03075176-$ or
   \mathtt{JP}\text{-}((3115874\text{-}\$) \text{ or } \mathtt{JP}\text{-}((4545475\text{-}\$) \text{ or }
   SP-04317 (75-$ or JP-04/57475-$).did.) and
   (block$5 or buffer or stop$4) adj (region
   or film or layer) and (band near2 gap)
```

		((U4717+40-3 or US-48518+3-3 or US-823794-5 or US-48518+3-3 or US-4914496-5 or US-4963973-3 or US-1065211-3 or US-5068714-3 or US-63211-3 or US-642111-3 or US-6421111-3 or US-6421111-3 or US-6421111-3 or US-6421111-3 or US-643111-3 or US-64311-3 or US-643111-3 or US	USPAT; US-PGPUP; EPG; JPG; LERWENT; IBM_TUB	24.02/05/01
-	457	or film or layer) and energy adj level foreign adj atom	USFAT; US-PGPUB; EPO; CPO; DEPWENT;	2002/05/02 09:36
-	58	forwight add atom and 25% 06.0010.	IBM_TDB US:AT; US:PGIUE; EPG; CPC; DERWENT; IBM TUB	2002,05.102 03:37
-	3447	stop:4 ad: (zone or region or layer or film) and 257/\$6.scls.	VSPAT; VS PGPUP; EPO; CPO; DERWENT; IBM TOB	2002,05°02 09:40
-	2240	(stop or Stopping) adjictone or region or layer or film) and 257 DA.cols.		2002:05:102 09:41
-	30	istop or stopping) adj zone and 257700.ppls.	USPAT; US-PGFUE; EPO; CPO; CERWENT; IBM TUB	2002/05/02 11:37
	3	(stop or stopping) adj zone and 257/\$6.pcls. and thyristor	USPAT: US-PGFUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 09:44

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USPAT;
                                                                      2002/05/02
77 (US-5661314-$ or US-5679966-$ or
    US-5484306-$ or US-570583:-$ or
                                                        US-PGPUB;
                                                                      11:39
    US-5710445-3 or US-5719413-3 or
                                                        JPO
    US-5793064-3 or US-3794124-3 or 
US-5844258-3 or US-5894144-0 or
    VS-8923038-$ or V3-8939267-$ or
V3-6021623-$ or V3-6084728-$ or
    V3-RE16818-3 or V3-6107648-2 or
    V3-6111278-3 or V3-6111290-3 or V3-6109290-3 or V3-6198115-3 or V3-6271546-3 or V3-6278140-3 or V3-6278140-3 or
    #3-5444271-$ or #3-5444273-$).did. or
    (US-5843609-$ or US-5569911-$ or
    US-5%10415-3 or US-5461040-3 or
    US-5477064-3 or US-5486709-3 or
    US-5498884-$ or US-5525818-$ or
    US-5528058-$ or US-5378903-$ or
    US-8371388-$ or US-8365477-$ or
US-8617888-$ or US-8644186-$ or
    US-5889185-$ or US-5401985-$ or
    78-5336907-$ or US-5381025-$ or
    V3-5429953-$ or US-5304821-$ or
    ###5293054-$ or ##=5245201-$ or
    US-5010430-$ or US-5000750-$ or
    US-5124772-$ or US-5091766-$ or
    V3-5068704-$).did. or .VS-5065211-$ or
    VS-4963972-$ or VS-491449%-$ or
VS-4951989-$ or VS-RE32784-$ or
    US-4760431-$ or US-4717340-$ or
    US-4062032-$ or US-4083921-$ or
    US-4030958-$ or US-3470036-$ or
    US-3337783-$ or US-5306930-$).did. or
    (US-20010005024-$ or
    VS-20020024056-$).did. or (JP-06151825-$
    or JP-06061479-$ or JP-04357875-$ or
    JP=0.4317375-\$ or JP=0.4149775-\$ or
    JP-03.16874-\$ or JP-03070176-\$ or
    JP-02296370-$ or JP-01270352-$).did.
```

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2002/05/02
77 (US-5661314-$ or US-5679966-$ or
                                                       USPAT;
    บร-5684306-$ or บร-5705935-$ or
                                                        US-PGPUB;
                                                                      11:39
    US-5710445-3 or US-5719413-3 or
                                                        JPO
    US-5793066-0 or US-5796124-0 or
US-6844288-0 or US-5894149-0 or
    VS-500 (050-$ or VS-5936067-$ or
    TS-600,060 (-$ ir US-6004708-$ ir
    US-RE/6914-3 tr US-6107649=0 tr
    VS-6.11278-3 or VS-61.1290-3 or
VS-6160290-3 or VS-6108115-3 or
    MS-6019217-$ or US-6071545-$ or
    VS-6079140-$ or VS-6013485-$ or
    \text{US-5444271-$ ir US-5444270-$).did. or}
    (US-55436)9-$ or US-5569941-$ or
    US-5610415-$ or US-5461343-3 or
    V3-5477064-$ or V3-5486709-3 or
    US-5498884-$ or US-5825816-3 or
    US-582-058-$ or US-5378903-$ or
    US-5371395-$ or US-5365477-$ or
US-5677888-$ or US-5644150-$ or
    ts-5689198-$ or US-5401988-$ or
    US-5326907-$ or US-5381025-$ or
    US-5409953-$ or US-5204821-0 or
US-5093054-$ or US-5245262-$ or
    08-5093054-$ or US-5045202-$
    US-5010432-3 or US-5000750-3 or
US-5001770-3 or US-5001766-3 or
    US-5064704-$).did. or (US-5065211-$ or
    US-4963970-$ or US-4914496-$ or
    US-4851989-$ or US-RE32784-$ or
    US-4760431-$ or US-4717940-$ or
    US-4042032-$ or US-4053921-$ or
    VS-4020958-$ or VS-3470036-$ or VS-3337730-$ or US-5306930-$).did. or
    (TS-20/10005024-$ or
    \forall s = 2001.0024056 - \$1.did. or (JP-06151825-$
    or JP -6061479-$ or JP-04357875-$ or
    JP-04317375-\$ or JP-041140775-\$ or
    JP-0:116374-$ or JP-03070176-$ or
    JP-022\pm6370-\$ or JP-01270\pm52-\$).did.
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18 ((US-5661314-$ or US-5679966-$ or
                                                                       2002/05/02
                                                         USPAT;
    US-5684304-$ or US-5704835-$ or
                                                                       13:24
                                                         US-PGPUB;
    US-8710445-3 or US-5710413-3 or
                                                         JPC:
    US-579306A-3 or US-5795124-3 or
US-5844255-3 or US-5894149-3 or
    US-F90:085-0 ir US-E936367-3 or
    #3-602062:-$ or #3-6054728-$ cr
    US-RHUM314-0 or US-8107849-3 or
   US-A1.1274-0 or US-A1.1281-0 or US-A1.1281-0 or US-A1.98116-0 or US-A1.98116-0 or US-A1.8818-0 or US-A1.8818-0 or
    V3-6279140-3 or V3-6313495-3 or
    VS-5444271-$ or VS-5444202-$).did. or
    (TS -543609-$ or TS-1569941-$ or
    US-54810415-0 or US-5481242-3 or
    US-5477064-$ or US-5486709-$ or
    US-5499994-3 or US-5525916-3 or
   VS-5509058-0 or VS-5378303-0 or VS-5371385-3 or VS-5365477-0 or VS-58477888-0 or VS-5844150-0 or
    US-5859195-3 or US-5401995-3 or
    US-5337907-$ or US-5391025-$ or
    US-5409353-3 or US-5304921-3 or
US-5093054-3 or US-5045232-3 or
    US-821 430-2 or US-8202780-3 or
    US-5124772-$ or US-5091766-$ or
    US-5068704-$).did. or (US-5065211-$ or
    US-4963972-3 or US-4914496-3 or
    US-4851889-3 or US-RE30784-3 or
    US-4760431-3 or US-4717940-3 or
    US-4.60033-3 or US-4053921-3 or
    US-4933958+$ or US-3470636-$ or US-3337783-$ or US-5306936-$).did. or
    (US 00010005024-$ or
    \label{eq:condition} \texttt{US-DAGCDOC4056-\$).did.} \ \ \texttt{or} \ \ (\texttt{JP-06151825-\$}
    or JP-06061479-$ or JP-04357875-$ or
    JP-34317375-$ or JP-04240775-$ or
    JP=30116874-3 or JP=03070176-3 or
    JP-72246370-$ or JP-01270352-$).did.) and
    ((dop$% or impurit$3 or donor or
    acceptor) near12 (carbon or c or titanium
    or there se or selenium or or or chromium
    or ta or tantalum or os or desium or ba-
    or barium or sulfur or s or mangenese or
    mn or pt or platinum or au or gold or
    silver or ag) (
 3 ("3953243").PN.
                                                                       2002/05/02
                                                         USEAT;
                                                         US-PGPUB;
                                                                       13:05
                                                         EPO; JPO;
                                                         DEF.WENT;
```

IBM_TDB

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USPAT;
                                                                  2002/05/02
0 ((US-5661314-$ or US-5674966-$ or
   US-5684306-$ or US-5705835-$ or
                                                    US-PGPUB;
                                                                 13:26
   US-5710445-3 or US-5719413-$ or
                                                    JPO
   US-5793066-$ or US-5796174-$ or
  US-RE06918-3 ir VS-W117649-3 br
  Ws-61.1278-3 ir VS-61112.00-3 or
Vs-6169290-3 ir VS-619M111-3 or
Vs-6219217-3 or VS-627.548-3 or
   US-6279140-3 or US-6313495-3 or
   US-5444271-3 or US-5444270-3).did. or
   (US-5543639-$ or US-5569741-$ or
   US-5610415-$ or US-5461341-$ or
   US-5477064-$ or US-5486709-$ or
   US-5498884-$ or US-5529818-$ or
   US-5818058-$ or US-5378903-$ or
   US-5371385-$ or US-5365477-$ or
   US-5677888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or
   US-5336907-3 or US-5391025-9 or
   US-5409953-3 or US-5304901-$ or
   US-5293054-$ or US-5245200-$ or
   #3-5210432-$ or #3-5200780-$ or
   US-5104770-3 or US-5091766-$ or
   Us-5069704+3).did. or (Us-5065211-$ or
  US-4963970-3 or US-4914496-0 or US-4851889-3 or US-RB30784-0 or US-4760431-3 or US-4717340-3 or
   V3-4002030-3 or VS-4053921-3 or
   US-4002958-2 or US-3470046-$ or
   #3-33::7782-3 ir #3-5306R4(-3).did. or
   rUS-2001(005024-$ or
   VS-20020024056-$).did. or (JP-06151825-$
   or CP-06061479-$ or CP-01357875-$ or
   \sigma P = 04.517375 - \$ or JP = 04.149775 - \$ or
   JP-03116874-$ or JP-03070176-$ or
   \text{TP-}02296370-\$ or \text{JP-}01...77352-\$).did.) and
   (t) (barium or besium) nearl2 (dop$3 or
   impurit$3)) near12 thyristor)
```

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3 ((US-5661314-$ or US-5679966-$ or
                                                         USPAT;
                                                                        2002/05/02
      U3-5684306-$ or US-5705835-$ or
                                                          US-PGPUE;
                                                                        14:32
      U3=57.0445-3 or US=5719413-3 or
                                                          JP0
      US-5793066-3 or US-5796124-3 or
US-5844258-3 or US-5894149-3 or
      US-5403064-3 or US-5936267-3 or
US-6400683-3 or US-6034784-3 or
      US-REB6818-$ or VS-6107649-$ or
      Us-6.11278-3 or Us-6111290-3 or Us-6.19294-3 or Us-6198115-3 or Us-621921/-3 or Us-6271545-3 or
      US-6178140-3 or US-6313485-3 or
      \text{US}=5444271-3 or \text{US}=5444272-3).did. or
      (TS-1543649-$ or TS-5559941-$ or US-5610410-$ or US-5461040-$ or US-5461040-$ or US-5486709-$ or
      US-5498994-3 or US-5525816-3 or
      US-5528054-3 or US-5378903-3 or
      VS-5371395-$ or VS-5365477-$ in
VS-5637898-$ or VS-5644150-$ or
      US-5859195-$ or US-5401985-$ or
      US-5336907-$ ir US-5391025-$ or
      US-5409353-3 or US-5304021-3 er
      US-5093054-$ or US-5245000-$ or
      US-5210432-$ or US-5202790-$ or
      US-5104770-$ or US-5091766-$ or
      US-5068704-\$).did. or (US-5065211-\$) or
      US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or
      US = 4760431 + 3 or US = 4717940 + 3 or
      U3-40 \times 2032-3 or US-4053 \times 21-3 or
      US-4032354-3 or US-3470036-3 or
      US-3337793-$ or US-5306730-$).did. or
      US-20010005024-2 or
      US-20023024056-$).did. or (JP-06151825-$
      or JP-06061479-$ or JP-04357875-$ or
      JF-04317375-$ or JP-04240775-$ or
       JP-03116974-$ or JP-03070176-$ or
      JP=0.2296370 or JP=0127.352, and
       (silicon adj substrate nearl2 thyristor)
                                                                        2002/05/02
   2 ("6043112").PN.
                                                          USPAT;
                                                          US-PGPUE;
                                                                        14:33
                                                          EPO; JPO;
                                                          DEFWENT;
                                                          IBM TIB
                                                                        2002/05/02
   2 ("6043113").PN.
                                                          USEAF:
                                                          US-PGPUB;
                                                                        15:27
                                                          EPO; JPO;
                                                          DERWENT;
                                                           IBM IDB
                                                                         2002/05/02
1421 emitter and igbt and power and switching
                                                          USEAT;
                                                          US-PGFUB;
                                                                         15:28
                                                          EPO; JPO;
                                                          DERWENT;
                                                          IBM TDB
                                                                        2002/05/02
                                                          USFAT:
  40 emitter adj region and ight.ti,ab. and
                                                          US-PGPUB;
      power adj2 device and switching
                                                                        15:29
                                                          EPO; JPO;
                                                          DERWENT;
                                                          IBM TDB
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